

LIST OF PENDING CLAIMS

Claims 1-10 (canceled)

Claim 11 (original): A capillary electrophoresis method, comprising:

introducing samples to a plurality of capillaries positioned in parallel to each other forming a plane and forming a first group and a second group of capillaries, wherein the first and second groups include at least one of the capillaries;

causing the samples to migrate through the capillaries; and

illuminating the second group of capillaries more than the first group of the capillaries such that amount of light received by a lens from the first group of capillaries is substantially identical to amount of light received from the second group of capillaries when an identical amount of the samples is migrating through the first and second group capillaries, wherein the lens is positioned directly above the first group of capillaries and obliquely over the second group of capillaries.

Claim 12 (currently amended): The method according to claim 11, further comprising:

measuring amount of light received by the lens from the first and second groups of capillaries, while:

injecting an identical amount of the samples into the first and second capillaries; and

~~illuminating the first and second groups of capillaries with substantially identical amount of light;~~ and subsequently

calculating a difference between the amount of light received by the lens from the first and second groups of capillaries.

Claim 13 (original): The method according to claim 12, the illuminating step further comprising:

generating a compensating laser beam that substantially eliminates the calculated difference,

wherein the capillaries are illuminated by the compensating laser beam.

Claim 14 (original): The method according to claim 13,
wherein the step of generating the compensating laser beam further comprises:
producing a laser beam;
receiving the laser beam by a scanning mirror; and
oscillating the scanning mirror to generate the compensating laser beam.

Claim 15 (original): The method according to claim 14, wherein the step of oscillating the scanning mirror further comprises:

generating a controlling waveform to control the oscillation of the scanning mirror,
wherein the controlling waveform is one of sinusoidal and triangular waveforms.

Claim 16 (original): The method according to claim 15,
wherein the step of oscillating the scanning mirror further comprises:
generating a controlling waveform to control the oscillation of the scanning mirror,
wherein the controlling waveform is a combination of sinusoidal, square and triangular waveforms.

Claim 17 (new): The method according to claim 12, the illuminating step further comprising:
generating a compensating light source beam that substantially eliminates the calculated difference,
wherein the capillaries are illuminated by the compensating light source beam.

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